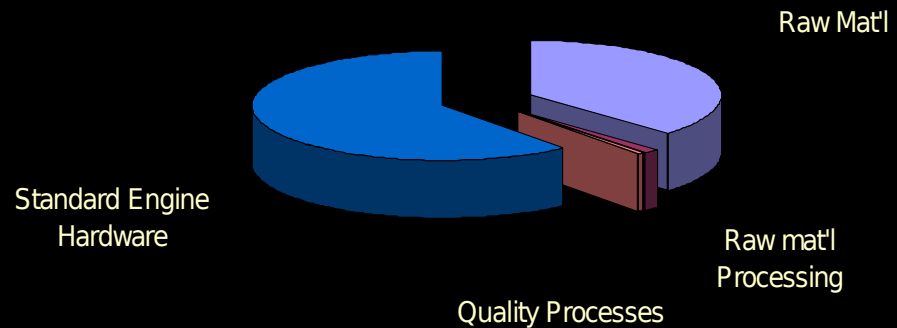
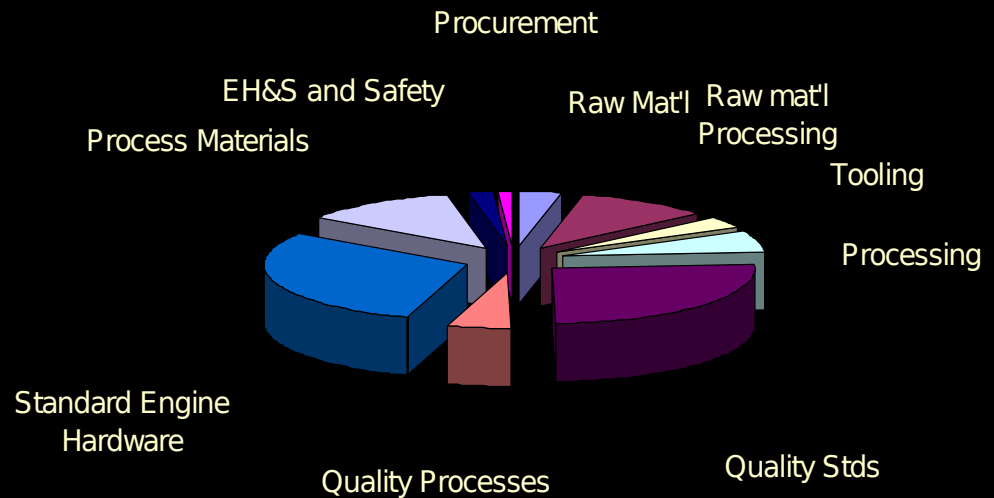


The Future of Aerospace Standardization

Mort Pearson, P.E.
Mechanical Design Technical
Discipline Chief – Systems
Pratt & Whitney

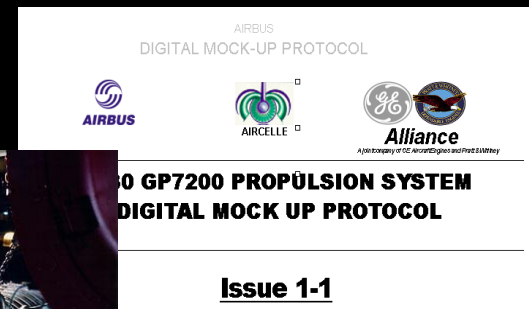


Standards are the largest source of technical data used by Engineering and Operations

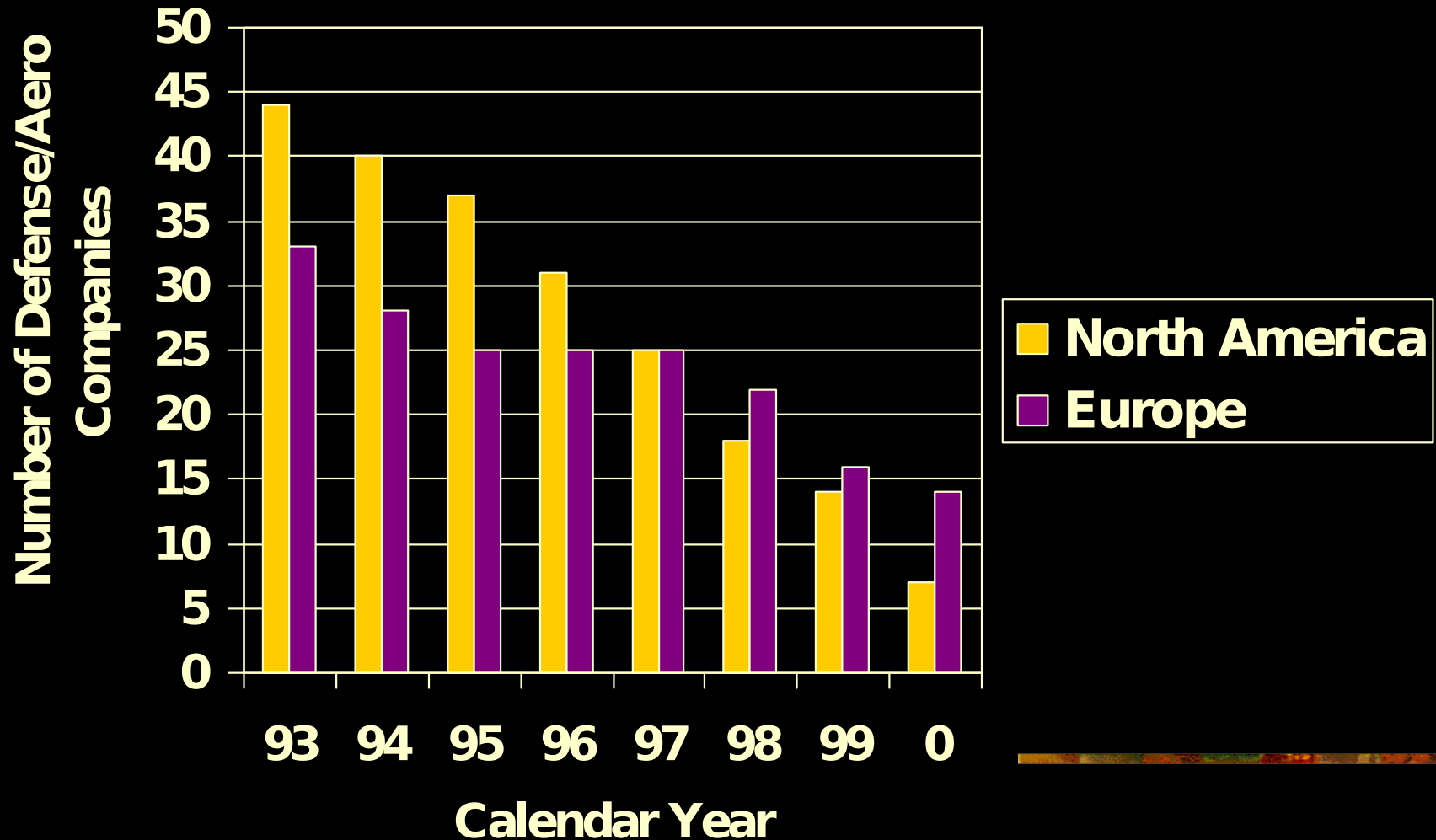


Standards enable integration of product requirements

- Physical and Functional interfaces
- Product Qualification
- Installation



The Industry Landscape – coalescing and stabilizing



Strengths of Today's Standards System

- Diversity
- Led by those affected
- Speed



Weaknesses of Today's Standards System

- Funding
 - Little Industry Integration
-

Standards Organizations and the Industry's Influence

- Aerospace Unique (Standards program exclusively Aerospace)
 - AIA, AIAA, ARINC, ICAO, IATA, SAE Aerospace
 - Aerospace Component (Standards program has some subject committees with aerospace content)
 - ASTM, IEEE
 - Cross Industry (Standards program produces content used by many industries)
 - ASME, AWS, ASHRAE
-

Aerospace Standards Challenges

- Rising global industry players
- Funding
- E-business processes
- OEM role of integrator



Standardization evolution will be shaped by customers

- Customer driven product design agility
 - Convergence of technology sectors
 - Collapsing design cycle times
 - Large scale global collaboration
-

Aerospace Standardization of the future

- “Standards as data”
 - Industry integrating body (or bodies)
 - Gov’t/Industry/User funding collaboration
 - Collaborative interchange with global standards partners
-



Additional Information

What is “Standards as Data” ?

Packaging standards information in a “standard” form enables....

- sharing and reuse of the data elements contained without reconstructing them
 - sharing and reuse of the data by digital systems in the product design – deployment stream
-

Standards Distribution – one approach

